

ABSTRACT

A viscous damper for a machinery mount having a damping member disposed intermediate a top support engageable with at least a portion of a load and a bottom plate disposed beneath the support and spaced therefrom to thereby decrease or deaden vibrations. The damper includes a receptacle for vertical disposition, which is closed at the bottom and opened at the top, and is adaptable for containing a viscous fluid. A plunger of smaller lateral dimensions is arranged concentrically and coaxially within the receptacle, and depends downwardly from the horizontally disposed support, and is of such a longitudinal dimension as to be spaced from the closed bottom of the receptacle so as to be submerged partially in the viscous fluid and is therefore free to move vertically. A perforated plate is affixed at the bottom of the plunger, and provides fluid communication between the receptacle and the plunger. The damping effected by the vibrations will force the viscous medium through the apertures in the bottom plate in one direction or the other.